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Medical Facilities Mandatory Center of Expertise & Standardization (CEHNC-MX)

Medical Facilities Center of eXpertise

MT Project Execution Workshop
1-2 Aug 2006

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Agenda

Medical Facilities Center of eXpertise

- Medical Program Overview
- Initiatives
- MX Organization In Transition
- MX Roles and Responsibilities
- COS Roles and Responsibilities
- Acquisition and Execution Strategies
- Challenges
- Opportunities
- Questions?

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Current Medical Program Overview

Medical Facilities Center of eXpertise

- **Approximately 47 BRAC/AMF/IGPBS medical, and related projects, valued at $8B**
  - **Billion each in San Antonio & Greater Washington**
- **DODM FYDP Uncertain At this Time**
- ***Environment of Unprecedented Change***

Initiatives

- **MILCON Transformation (MT)**
  - ***Medical is On-board And Moving Out*.....**
    - **Greater use of Design-Build, Adapt-Build, Templates, Integrated DBB, etc.**
    - **Industry Standards and Performance Specs**

- **Adding COS Duties and Responsibilities**

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Initiatives

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- **QDR # 8, Transform the Infrastructure (MHS)**
  - **Occupy BRAC medical projects by 15 Sep 2011**
  - **Eliminate internal DoD prescriptive requirements**
  - **Build to industry standards / performance specs**
  - **Reduce S&A**
  - **Compete 6 Selected MILCON Pilot Projects among all Federal Agents**
  - **Seek Congressional Approval To Increase O&M Minor Construction Threshold from $1.5M to $3M (DVA Threshold = $7M)**
  - **OSD/HA Sponsored Medical Transformation Industry Forum 20 Jul 2006 to Seek Recommendations and Ideas from Industry**

Initiatives

- **Criteria & Policy Updates**
  - **UFC 4-510-1 (MIL-HDBK 1191)**
    - **HFSC AD&C Sub-committee Study Comparing Private Industry and Federal Government Standards and Criteria**
    - **Pilot DB Project (Ft Rich Health Clinic) Maximizing Industry Standards and Performance Specs.**
  - **Design Guideplates Updated**
  - **Model Medical RFP (Based on HQ Model)**
  - **Generic Master Medical Design Instructions**
  - **Standardized Medical Program (PgMP) and Project Management Plans (PMP)**

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MX Organization In Transition

Medical Facilities Center of eXpertise

- **MX adding COS Duties/Responsibilities**
- **Project Workload Doubled Compared to Last 10 yrs.**
  - **Determining Impact on Staffing**
- **Will be recruiting for PDs and Tech Staff (GS-13/14)**

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MX Roles and Responsibilities

Medical Facilities Center of eXpertise

- **USACE-Wide Medical Facilities Mandatory Center of Expertise & Standardization for medical and medical research facilities**
- **Provide medical design and construction policy, technical guidance and reviews, procedures, criteria, specifications, and standards**
- **Certify technical completeness of concept design (S4); Present concept design submissions (S2 & S4) to TMA; Deliver final RTA package to TMA**

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MX Roles and Responsibilities

Medical Facilities Center of eXpertise

- **Architect-Engineer and/or Contractor Selection**
  - **Assist MSC/District w/ A-E selection, TEB, and SSEB**
- **Provide Technical Support during Design**
  - **Mandatory Technical design reviews (concept & final)**
  - **Technical reviews as requested and reimbursed for other programs**
- **Provide Technical Support during Construction**
  - **Mandatory review on all changes requiring TMA approval**
  - **Assist geographic MSC/District with technical evaluation of changes on projects during construction, for medically unique requirements**
  - **Assist with, and participate in, commissioning activities**
  - **Participate in post occupancy evaluations (POEs)**

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COS Roles and Responsibilities

In Addition to Current MX Duties

Medical Facilities Center of eXpertise

- **Utilize Building Information Modeling (BIM) Technology**
- **Prepare Cost Estimates / Conduct Market Surveys & Analysis To Ascertain Unit Costs**
- **Develop Template 1391s**
- **Participate In Planning Charrettes**
- **Coordinate Waiver Requests**
- **Develop Medical Standard Designs To The Extent Possible**
  - **Requires Approval of, and Coordination with TMA and Services**
- **Regional/National Construction Contracts**
  - **Medical Program Being Analyzed for Applicability**
- ***Move To Standardization Must Acknowledge The Source of Medical Funding…..***
- *Many COS Duties and Responsibilities Already Part of MX Business Processes*

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Acquisition and Execution Strategies

Medical Facilities Center of eXpertise

- **Medical Specific A-E IDC's**
  - **Five IDC's Selected; 5 Year/$6M Each**
- **Medical Specific Two-Phase Model RFP**
  - **Based on HQ Model RFP; Draft Final Due 10 Aug 06**
- **Standardized Generic Medical Design Instruction**
- **Expanded Use of Alternate Acquisition Strategies**
  - **50% + of Proposed BRAC05 Medical Projects Are DB**
- **Streamlining Technical Review / Approval Process**

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Challenges

Medical Facilities Center of eXpertise

- **Unprecedented Medical Project Workload**
- **Design Authority (TMA vs ACSIM)**
- **Environmental Approvals and Permits**
- **Fixed Budgets…*Design to Cost***
- **Human and Financial Resources**
- **Design/Construction Environment Nationally**
- **Schedules Driven by BRAC Law….**

occupy by 15 Sep 11!

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Opportunities

Medical Facilities Center of eXpertise

- **Align Acquisition Strategies/Criteria with Industry**
- **Collaboration of Design Agents**
  - **Increased Communication, Coordination and Sharing**
  - **Joint Medical Technical Office (JMTO) for GWA**
- **Recruit Next Generation of MX Professionals**
- **Participate in Transformation of DOD Medical Services and Infrastructure**
- **Transform Medical Project Delivery**
  - **New contracting methods**
- **Time and Cost Savings**
- ***Improve Patient and Customer Satisfaction!***

The U.S. Army Corps of Engineers (USACE) Medical Facilities Mandatory Center of Expertise and Standardization (MX), in partnership with TMA, the Services, USACE Regional Integration Teams, Major Subordinate Commands and Geographic Districts provides medical facility technical expertise and support to the Department of Defense (DoD), other Federal agencies, and foreign governments.

Questions?

References

- HQUSACE Military Programs Policy & Guidance
  http://www.hq.usace.army.mil/cemp/cempm/pmdpolicy.htm

- HQUSACE Military Programs Medical MILCON Program Execution Web Site
  http://www.hq.usace.army.mil/cemp/MDCTW/

- **Medical Facilities Mandatory Center of eXpertise & Standardization (CEHNC-MX)**

  http://www.hq.usace.army.mil/cemp/e/em/mainmpem.htm

- Unified Facilities Criteria (UFC) UFC 4-510-01
  16 Oct 03 http://www.ccb.org/docs/UFC/1191.pdf